

# Our Parameters

We are a central and specialty lab for clinical trials and provide services for phase I-IV studies in compliance with GCP/GCLP guidelines (FDA and EMA).

Our state-of-the-art laboratory offers an extensive portfolio of validated biomarker assays and standard clinical chemistry methods, hematology, coagulation and urinalysis.

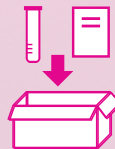
We support our clients around the globe 365 days a year.



## Study Preparation



## MLM Kit Building®



## Global Logistics



## Sample Analysis

365 days a year



## Data Management



## MLM Sample Storage System®



# Our Central Lab Parameters

## Hematology

Erythrocyte sedimentation rate (ESR) <sup>2</sup>  
Erythrocytes <sup>2</sup>  
Hematocrit <sup>2</sup>  
Hemoglobin <sup>2</sup>  
IRF (Immature reticulocyte fraction) <sup>2</sup>  
MCH <sup>2</sup>  
MCHC <sup>2</sup>  
MCV <sup>2</sup>  
MPV (Mean platelet volume) <sup>2</sup>  
PCT (Plateletcrit) <sup>2</sup>  
PDW (Platelet distribution width) <sup>2</sup>  
Platelets <sup>2</sup>  
RDW-CV (Red cell distribution) <sup>2</sup>  
Ret-He (Reticulocyte-Hb) <sup>2</sup>  
Reticulocytes <sup>2</sup>  
Total and differential blood count <sup>2</sup>

## Clinical chemistry

Alpha-amylase <sup>1, 6, 7, 8, 9</sup>  
Alpha-hydroxybutyrate dehydrogenase (HBDH) <sup>1, 6, 7</sup>  
ALAT (ALT, GPT) <sup>1, 6, 7</sup>  
Albumin <sup>1, 6, 7, 8, 9, 16</sup>  
Alkaline phosphatase <sup>1, 7, 8, 9</sup>  
Alpha-1-globulin <sup>1</sup>  
Alpha-2-globulin <sup>1</sup>  
Ammonia (NH<sub>3</sub>) <sup>6</sup>  
ASAT (AST, GOT) <sup>1, 6, 7</sup>  
Beta-globulin <sup>1</sup>  
Bicarbonate <sup>1, 20</sup>  
Bilirubin total <sup>1, 6, 7</sup>  
Bilirubin direct <sup>1, 6, 7</sup>  
Bilirubin indirect <sup>1, 6, 7</sup>  
Calcium <sup>1, 7</sup>  
Carnitine free <sup>1</sup>  
Carnitine total <sup>1</sup>  
Chloride <sup>1, 7, 20</sup>  
Cholesterol <sup>1, 6, 7</sup>  
Cholinesterase <sup>1, 6, 7</sup>  
C-reactive protein (CRP) <sup>1, 3, 6, 7, 8</sup>  
C-reactive protein high sensitive (CRPhs) <sup>1</sup>  
Creatine kinase (CK) <sup>1, 6, 7, 9</sup>  
Creatine kinase MB (CK-MB) <sup>1, 6, 7, 9</sup>  
Creatine kinase MM (CK-MM) <sup>1</sup>  
Creatinine <sup>1, 4, 6, 7, 8, 9</sup>  
Creatinine clearance <sup>1</sup>  
Fructosamine <sup>1</sup>  
Gamma-globulin <sup>1</sup>  
GGT <sup>1, 7, 8, 9, 11</sup>  
GLDH <sup>1, 7, 8, 9, 11</sup>  
Globulin <sup>1</sup>  
Glucose <sup>1, 5, 6, 20</sup>  
Glycerol <sup>1, 12</sup>  
HbA1c <sup>2</sup>  
HDL-cholesterol <sup>1, 7, 8, 9, 11</sup>  
IgA <sup>1</sup>  
IgG <sup>1</sup>  
IgM <sup>1</sup>  
Iron <sup>1, 7, 8, 9</sup>  
Lactate <sup>5</sup>  
LDH <sup>1, 7, 8, 9</sup>

LDL-cholesterol <sup>1, 6, 7, 8, 9</sup>  
Lipase <sup>1, 7, 8, 9</sup>  
Magnesium <sup>1, 7</sup>  
Osmolality <sup>1</sup>  
Phosphate <sup>1, 6, 7, 8, 9</sup>  
Potassium <sup>1, 7, 20</sup>  
Sodium <sup>1, 7, 20</sup>  
Total protein <sup>1, 6, 7, 8, 9</sup>  
Triglycerides <sup>1, 6, 12</sup>  
Troponin T <sup>1</sup>  
Urea <sup>1, 6, 7, 8</sup>  
Uric acid <sup>1, 6, 7, 8, 9</sup>

## Coagulation

Activated Protein C <sup>3</sup>  
Antithrombin III <sup>3</sup>  
aPTT, PTT <sup>3</sup>  
aPTT Kaolin <sup>3</sup>  
D-Dimer <sup>3</sup>  
Diluted thrombin time <sup>3</sup>  
F1+2 <sup>3</sup>  
Factor IIa <sup>3</sup>  
Factor Va <sup>3</sup>  
Factor VIIa <sup>3</sup>  
Factor VIIIa <sup>3</sup>  
Factor IXa <sup>3</sup>  
Factor Xa <sup>3</sup>  
Factor XI <sup>3</sup>  
Factor XIa <sup>3</sup>  
Factor XII <sup>3</sup>  
Factor XIIa <sup>3</sup>  
Factor XIII <sup>3</sup>  
Fibrinogen <sup>3</sup>  
Plasmin alpha 2-antiplasmin complex <sup>3</sup>  
Protein C <sup>3</sup>  
Protein S <sup>3</sup>  
Prothrombin time (Quick/INR) <sup>3</sup>  
Thrombin activated fibrinolysis inhibitor (TAFI) <sup>3</sup>  
Thrombin time <sup>3</sup>  
Thrombin antithrombin complex (TAT) <sup>3</sup>  
von Willebrand factor antigen <sup>3</sup>  
von Willebrand factor activity <sup>3</sup>

## Serology

anti-CMV IgG <sup>1</sup>  
anti-CMV IgM <sup>1</sup>  
anti-EBV (VCA) IgG <sup>1</sup>  
anti-EBV (VCA) IgM <sup>1</sup>  
anti-EBV-NA (EBNA) IgG <sup>1</sup>  
anti-HAV IgG <sup>1, 3, 6, 7, 8, 9</sup>  
anti-HAV IgM <sup>1, 3, 6, 7, 8, 9</sup>  
anti-HBc IgM <sup>1, 3, 6, 7, 8, 9</sup>  
anti-HBc <sup>1, 3, 6, 7, 8, 9</sup>  
anti-HBs <sup>1, 3, 6, 7, 8, 9</sup>  
anti-HCV <sup>1, 3, 7, 8, 11</sup>  
anti-Toxoplasma gondii IgG <sup>1</sup>  
Borrelia IgG <sup>1</sup>  
Borrelia IgM <sup>1</sup>  
Coxsackie virus IgG <sup>1</sup>  
Coxsackie virus IgM <sup>1</sup>  
Hepatitis B core-related antigen <sup>1</sup>  
HBsAg <sup>1, 3, 8, 11</sup>

HBeAG <sup>1</sup>  
HIV p24 antigen <sup>1</sup>  
HIV-1/2 combi <sup>1, 6, 7</sup>  
Mycobacterial reactivity <sup>(Special tubes provided)</sup>  
Tetanus-Antitoxin <sup>1</sup>

## Urinalysis

Albumin <sup>4</sup>  
Bacteria/Nitrite <sup>4</sup>  
Bilirubin <sup>4</sup>  
Calcium <sup>4</sup>  
Chloride <sup>4</sup>  
Creatinine <sup>4</sup>  
Erythrocytes/Hemoglobin <sup>4</sup>  
Glucose <sup>4</sup>  
Ketone Bodies <sup>4</sup>  
Leucocytes <sup>4</sup>  
Magnesium <sup>4</sup>  
Osmolality <sup>4</sup>  
pH <sup>4</sup>  
Phosphate <sup>4</sup>  
Potassium <sup>4</sup>  
Pregnancy test <sup>4</sup>  
Sediment analysis <sup>4</sup>  
Sodium <sup>4</sup>  
Specific gravity <sup>4</sup>  
Total protein <sup>4</sup>  
Urea <sup>4</sup>  
Uric acid <sup>4</sup>  
Urobilinogen <sup>4</sup>

1 = Serum  
2 = EDTA blood  
3 = Citrate plasma  
4 = Urine  
5 = NaF plasma  
6 = EDTA plasma  
7 = Li-Heparin plasma  
8 = Na-Heparin plasma  
9 = NH<sub>4</sub>-Heparin plasma  
10 = CSF (liquor)  
11 = K<sub>2</sub>EDTA plasma  
12 = K<sub>2</sub>EDTA plasma  
13 = Dialysate  
14 = EDTA plasma + protease inhibitors  
15 = Pharyngeal swabs  
16 = Nasal secretion  
17 = Saliva  
18 = Mouse plasma  
19 = P800  
20 = Faeces  
21 = Sputum



**Additional parameters are available upon request. Please contact us.**

# Our Specialty Lab Parameters

## Alzheimer's Disease

Beta-amyloid (1-40) <sup>6</sup>  
Beta-amyloid (1-42) <sup>6,10</sup>  
Phospho-Tau <sup>10</sup>  
Tau-protein <sup>10</sup>

## Autoantibodies

Anti-centromere B antibodies <sup>1</sup>  
Anti-LKM (Liver Kidney Microsomal antibodies) <sup>1</sup>  
Antinuclear antibodies (ANAs) <sup>1</sup>  
ASMA (Anti-smooth muscle antibodies) <sup>1</sup>  
ENA-Panel <sup>1</sup>  
Glutamic acid decarboxylase (GAD) <sup>1</sup>  
Insulin autoantibodies (IAA) <sup>1</sup>  
Islet cell antibodies (ICA) <sup>1</sup>  
Perinuclear antibodies (p-ANCA) <sup>1</sup>  
Tyrosine phosphatase (IA-2) <sup>1</sup>

## Amino acids

ADMA (asymmetric dimethylarginine) <sup>6</sup>  
Alanine <sup>1</sup>  
Arginine <sup>1</sup>  
Asparagine <sup>1</sup>  
Aspartic acid <sup>1</sup>  
Citrulline <sup>1</sup>  
Cysteine <sup>1</sup>  
Glutamic acid <sup>1</sup>  
Glutamine <sup>1</sup>  
Glycine <sup>1</sup>  
Histidine <sup>1</sup>  
Homocysteine <sup>1</sup> (Special tubes provided)  
Isoleucine <sup>1</sup>  
Leucine <sup>1</sup>  
Lysine <sup>1</sup>  
Methionine <sup>1</sup>  
Nitrotyrosine <sup>1</sup>  
Phenylalanine <sup>1</sup>  
Proline <sup>1</sup>  
SDMA (symmetric dimethylarginine) <sup>6</sup>  
Serine <sup>1</sup>  
Threonine <sup>1</sup>  
Tryptophan <sup>1</sup>  
Free tryptophan <sup>1</sup>  
Tyrosine <sup>1</sup>  
Valine <sup>1</sup>

## Cytokines and growth factors

CCL-18 <sup>6</sup>  
EGF <sup>4</sup>  
FGF-19 <sup>1</sup>  
FGF-21 <sup>1</sup>  
FGF-23 <sup>11</sup>  
Growth differentiation factor 15 (GDF-15) <sup>11</sup>  
Growth hormone binding protein (GHBP) <sup>1</sup>  
HGH <sup>1</sup>  
IGF-1 <sup>1</sup>  
IGF-2 <sup>1</sup>  
IGF-1 BP3 <sup>1</sup>  
IL-10 <sup>1</sup>  
IL-12 <sup>1</sup>  
IL-15 <sup>1</sup>  
IL-18 binding protein <sup>1</sup>  
IL-18 <sup>1</sup>  
IL-1alpha <sup>1</sup>  
IL-1beta <sup>1</sup>  
IL-1RA <sup>1</sup>  
IL-2 <sup>1</sup>  
IL-6 <sup>1,6,7</sup>  
IL-8 <sup>1</sup>  
IL-29/IFN-lambda 1 <sup>1</sup>  
IFN-alpha <sup>1</sup>  
IFN-beta <sup>1</sup>  
IFN-gamma <sup>1</sup>  
IP-10 <sup>1</sup>  
MCP-1 <sup>1,6</sup>  
Platelet factor 4 (CXCL4/PF4) <sup>1</sup>  
TGF-beta <sup>1</sup>  
TNF-alpha <sup>1</sup>  
TNF-beta <sup>1</sup>  
VEGF <sup>1</sup>

## Drugs of abuse

Amikacin <sup>1</sup>  
Amphetamines <sup>4</sup>  
Barbiturates <sup>1,4</sup>  
Benzodiazepines <sup>1,4</sup>  
Cannabinoids <sup>4</sup>  
Cocaine <sup>4,17</sup>  
Cotinine <sup>4</sup>  
Cyclosporine <sup>2</sup>  
Ethanol <sup>1,4,6,13</sup>  
Gentamycin <sup>1</sup>  
Methadone <sup>4</sup>  
Methamphetamines <sup>4</sup>  
Opiates <sup>4,17</sup>  
Phencyclidine <sup>4</sup>  
Tricyclic antidepressants <sup>1,4</sup>  
Vancomycin <sup>1</sup>

## Hormones, precursors and metabolites

ADH (arginine vasopressin) <sup>6</sup>  
Adiponectin <sup>1</sup>  
Adrenaline (epinephrine) <sup>4,6</sup>  
Adrenocorticotrophic hormone (ACTH) <sup>6</sup>  
Aldosterone <sup>1</sup>  
Androstenedione <sup>1</sup>  
Angiotensin I <sup>14</sup>  
Angiotensin II <sup>6</sup>  
Atrial natriuretic hormone (ANP) <sup>1</sup>  
Beta-HCG <sup>1</sup>  
Brain natriuretic peptide (BNP) <sup>1</sup>  
Calcitonin <sup>1</sup>  
Cholecystokinin (CCK) <sup>6</sup>  
Copeptin <sup>6</sup>  
Cortisol ECLIA (hydrocortisone) <sup>1,3,6,7,8,9</sup>  
Cortisol LC-MS/MS (hydrocortisone) <sup>4,17</sup>  
C-peptide <sup>1,4,6</sup>  
DHEA <sup>1</sup>  
DHEA-S <sup>1</sup>  
Dopamine <sup>6</sup>  
3,4-Dihydroxyphenylacetic acid (DOPAC) <sup>4</sup>  
Endothelin-1 (ET-1) <sup>6</sup>  
Erythropoietin <sup>1</sup>  
Estradiol <sup>1,3,5,7,8,9,11</sup>

Free progesterone <sup>1</sup>  
FSH <sup>1</sup>  
FT3 <sup>1</sup>  
FT4 <sup>1</sup>  
Gastrin <sup>1</sup>  
Gastric inhibitory polypeptide (GIP) active <sup>19</sup>  
Gastric inhibitory polypeptide (GIP) total <sup>14</sup>  
Glucagon <sup>6,14</sup>  
Glucagon-like peptide (GLP-1) active <sup>14,19</sup>  
Glucagon-like peptide (GLP-1) total <sup>19</sup>  
Homovanillic acid (HVA) <sup>4</sup>  
5-Hydroxyindoleacetic acid (5-HIAA) <sup>4</sup>  
Insulin Aspart <sup>1</sup>  
Insulin Glargine <sup>1</sup>  
Insulin Glulisine <sup>1</sup>  
Insulin Lispro <sup>1</sup>  
Insulin <sup>1,6</sup>  
Iso-Insulin <sup>1</sup>  
Leptin <sup>1</sup>  
LH <sup>1</sup>  
Metanephrine <sup>4,6</sup>  
MR-proADM <sup>6</sup>  
MR-proANP <sup>1,6</sup>  
Neuropeptide Y (NPY) <sup>1</sup>  
Noradrenaline (norepinephrine) <sup>4,6</sup>  
Normetanephrine <sup>4,6</sup>  
NT-proBNP <sup>1</sup>  
Obestatin <sup>14</sup>  
Oxyntomodulin <sup>14</sup>  
Pancreatic polypeptide <sup>1</sup>  
Progesterone <sup>1</sup>  
Proinsulin <sup>1</sup>  
Prolactin <sup>1</sup>  
Prostaglandin E<sub>2</sub> (PGE<sub>2</sub>) <sup>3,4,18</sup>  
PTH <sup>1</sup>  
PYY3-36 <sup>14</sup>  
Secretin <sup>1</sup>  
Somatostatin <sup>19</sup>  
T3 <sup>1</sup>  
T4 <sup>1</sup>  
Testosterone <sup>1,6,7</sup>  
Thrombopoietin (THPO) <sup>1</sup>  
TSH <sup>1</sup>  
Vanillylmandelic acid (VMA) <sup>4</sup>

## Kidney parameters

Alpha-1-microglobulin <sup>1</sup>  
Beta-2-microglobulin <sup>1</sup>  
Cystatin C <sup>1,4,7</sup>  
KIM-1 (kidney injury molecule-1) <sup>1,4</sup>  
Lipocalin-2/NGAL <sup>1</sup>  
N-acetyl-beta-D-glucosaminidase (NAG) <sup>4</sup>

## Lipid metabolism

Apolipoprotein A-1 <sup>1</sup>  
Apolipoprotein B <sup>1</sup>  
Beta-hydroxybutyrate <sup>1,4</sup>  
Glycerol <sup>1</sup>  
HDL-cholesterol <sup>1,7,8,9,11</sup>  
LDL-cholesterol <sup>1,6,7,8,9</sup>  
Lipoprotein (a) <sup>1</sup>  
Non-esterified free fatty acids <sup>1,6</sup>

List continues  
on next page



# Our Specialty Lab Parameters (cont.)

## Lipid metabolism (cont.)

ox-LDL <sup>1</sup>  
Total ketone bodies <sup>1,4</sup>  
Triglycerides <sup>1,6,12</sup>  
VLDL <sup>1</sup>

## Markers of bone metabolism

1,25-dihydroxyvitamine D <sup>1,6,7</sup>  
25-hydroxyvitamine D <sup>1,6,7</sup>  
Beta-CrossLaps (beta-CTX) <sup>4</sup>  
C-terminal propeptide of type I collagen (CICP) <sup>1</sup>  
C-terminal telopeptide of type I collagen (ICTP) <sup>1</sup>  
CTX <sup>4</sup>  
NTX <sup>4</sup>  
Ostase <sup>1</sup>  
Osteocalcin <sup>1,3,6,7,8,9</sup>  
Osteoprotegerin (OPG) <sup>6</sup>  
Osteopontin (OPN) <sup>11</sup>  
P1NP <sup>1,7,11</sup>  
Procollagen-III-peptide <sup>6</sup>

## Molecular diagnostics and genotyping (examples)

Apolipoprotein E (ApoE) <sup>2</sup>  
Butyrylcholinesterase <sup>2</sup>  
CYP2D6 <sup>2</sup>  
HLA I <sup>2</sup>  
HLA II <sup>2</sup>  
SLCO1B1 <sup>2</sup>  
Respiratory pathogens <sup>15</sup>

## MSD® Multiplex Panels \*

Proinflammatory Panel 1 (human) V-PLEX Kit:  
IFN-gamma, IL-1beta, IL-10, IL-12p70, IL-13,  
IL-2, IL-4, IL-6, IL-8, TNF-alpha <sup>1,4,16</sup>  
Cytokine Panel 1 (human) V-PLEX Kit:  
GM-CSF, IL-1alpha, IL-5, IL-7, IL-12/IL-23p40,  
IL-15, IL-16, IL-17A, TNF-beta, VEGF-A <sup>6</sup>

**Other standards as well as customized panels available on demand.**

## Surface markers

CCR2 <sup>2</sup>  
CD3 <sup>2</sup>  
CD4 <sup>2</sup>  
CD8 <sup>2</sup>  
CD14 <sup>2</sup>  
CD16 <sup>2</sup>  
CD19 <sup>2</sup>  
CD20 <sup>2</sup>  
CD56 <sup>2</sup>  
and others

## Tracer molecules

Indocyanine green <sup>7</sup>  
Iohexol <sup>7</sup>  
Para-aminohippuric acid <sup>4,7</sup>  
Sinistrin <sup>4,7</sup>

## Tumor markers

CA 15-3 <sup>1,6,7,8,9,10</sup>  
CA 19-9 <sup>1,3,6,7,8,9</sup>  
CA 72-4 <sup>1,3,6,7,8,9</sup>  
CA 125 <sup>1,6,7,8,9</sup>  
CEA <sup>1,6</sup>  
CYFRA 21-1 <sup>1,3,6,7,8,9</sup>  
HE-4 <sup>1,7,11,12</sup>  
Neurospecific enolase (NSE) <sup>1</sup>  
PSA <sup>1</sup>  
S100 <sup>1</sup>

## Various proteins and peptides

Active Neutrophil Elastase <sup>21</sup>  
Advanced glycation end-products (AGEs) <sup>6</sup>  
Alpha-1-acid glycoprotein <sup>1</sup>  
Alpha-1-Antitrypsin <sup>20</sup>  
Alpha-2-Macroglobulin <sup>16</sup>  
alpha-GST (alpha-Glutathion-S-Transferase) <sup>4</sup>  
Angiotensin Converting Enzyme (ACE) <sup>1,7</sup>  
Anti-CCP <sup>1</sup>  
Beta-Defensin 2 <sup>20</sup>  
Calprotectin <sup>20</sup>  
CH50 <sup>1</sup>  
Clara cell secretory protein CC-16 <sup>1</sup>  
Complement factor C3 <sup>1</sup>  
Complement factor C4 <sup>1</sup>  
Complement factor C5a <sup>6</sup>  
Cytokeratin 18 <sup>1</sup>  
ECP (Eosinophil Cationic Protein) <sup>16</sup>  
E-Selectin <sup>1</sup>  
Ferritin <sup>1</sup>  
Glycosylated Ferritin <sup>1</sup>  
Fibrinopeptide A <sup>1,3,6</sup>  
Free Hemoglobin <sup>7</sup>  
FRET Elastase <sup>21</sup>  
FRET Proteinase 3 <sup>21</sup>  
Galectin-3 <sup>11</sup>  
Gliadin <sup>4</sup>  
Glucose-6-phosphate-dehydrogenase in erythrocytes <sup>2</sup>  
Glutathion peroxidase <sup>11</sup>  
Glycated albumin <sup>1</sup>  
Haptoglobin <sup>1</sup>  
H-FABP <sup>4</sup>  
HMGB1 <sup>16</sup>  
ICAM-1 <sup>6</sup>  
I-FABP <sup>4</sup>  
L-FABP <sup>4,11</sup>  
sIL6R <sup>1</sup>  
LPS Binding Protein (LBP) <sup>6</sup>  
MMP-2 <sup>1</sup>  
MMP-7 <sup>1</sup>  
MMP-9 <sup>1</sup>  
Myoglobin <sup>1</sup>  
Myeloperoxidase (MPO) <sup>1,16</sup>  
P-Selectin <sup>1</sup>  
RAGE <sup>1,3,6,7,8,9</sup>  
Renin activity <sup>6</sup>  
Renin <sup>4,6</sup>

Rheumatoid factor <sup>1</sup>  
S100A8/A9 <sup>1</sup>  
S100A12 <sup>1</sup>  
Secretory IgA <sup>4,20</sup>  
Serum Amyloid A (SAA) <sup>1</sup>  
sGP130 <sup>1</sup>  
SHBG <sup>1</sup>  
sCD14 <sup>6</sup>  
sPECAM-1 <sup>1</sup>  
ST2 <sup>11</sup>  
Surfactant Protein D <sup>1,6</sup>  
Thrombomodulin <sup>3</sup>  
Total elastase <sup>21</sup>  
TIMP-1 <sup>11</sup>  
TIMP-4 <sup>11</sup>  
Transferrin <sup>1</sup>  
VAP-1 <sup>6</sup>  
Zonulin <sup>1,6</sup>

## Other non-peptidic parameters

1,5-anhydroglucitol <sup>1</sup>  
11-Dehydrothromboxane B2 <sup>4</sup>  
6-ketoprostaglandin F1 alpha <sup>6</sup>  
8-Oxo-2'-deoxyguanosine (8-OHdG) <sup>6</sup>  
Advanced oxidation protein products (AOPP) <sup>6</sup>  
cAMP <sup>12</sup>  
cGMP <sup>4,6</sup>  
Irinotecan and SN-38 <sup>7</sup>  
Malondialdehyde <sup>1,6,7,8,9</sup>  
Nitrate <sup>1,6</sup>  
Nitrite <sup>6</sup>  
Ranelic acid <sup>1</sup>  
Salicylate <sup>1,7,12</sup>  
Strontium <sup>1</sup>  
Thromboxane B2 <sup>4</sup>  
Total bound iron <sup>1</sup>

1 = Serum

2 = EDTA blood

3 = Citrate plasma

4 = Urine

5 = NaF plasma

6 = EDTA plasma

7 = Li-Heparin plasma

8 = Na-Heparin plasma

9 = NH<sub>4</sub>-Heparin plasma

10 = CSF (liquor)

11 = K<sub>3</sub>EDTA plasma

12 = K<sub>2</sub>EDTA plasma

13 = Dialysate

14 = EDTA plasma + protease inhibitors

15 = Pharyngeal swabs

16 = Nasal secretion

17 = Saliva

18 = Mouse plasma

19 = P800

20 = Faeces

21 = Sputum



**Additional parameters are available upon request. Please contact us.**

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